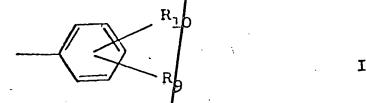
containing 2 to 6 carbon atoms, alkynyl groups containing 2 to 6 carbon atoms and groups of formula II:

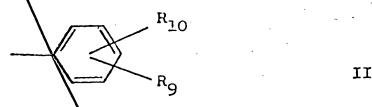


in which R₉ and R₁₀, which re the same or different are selected from the group consisting of H, halo and alkoxy groups containing 1 to 3 carbon atoms; in which R_2 is selected from the group consisting of H and alkyl groups containing 1 to 3 carbon atoms; in which R_3 and R_μ , which are the same or different are selected from the group consisting of H, straight or branched chain alkyl groups containing 1 to 4 carbon atoms, alkenyl groups having 3 to 6 carbon atoms, alkynyl groups having 3 to 6 carbon atooms, cycloalkyl groups in which the ring contains 3 to 7 carbon atoms, and a group of formula CH ϕ or R $_3$ and R $_\mu$ together with the nitrogen atom form an optionally substituted heterocyclic ring having 5 or 6 atoms in the ring optionally containing further heteroatoms in addition to the nitrogen atom; in which R₅ and R₆, which are the same or different are selected from the group consisting of H, halo, trifluoromethyl, alkyl groups containing 1 to 3 carbon atoms, alkoxy groups containing 1 to 3 carbon atoms, alkylthio groups containing 1 to 3 carbon atoms and phenyl or R_5 and R_6 , together with the carbon atoms to which they are attached, form a second benzene ring oftionally substituted by at least one halo, alkyl or alkoxy group containing 1 to 4 carbon atoms or the substituents of the second benzene ring together with the two carbon atoms to which they are attached form a further benzene

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ring[; and their pharmaceutically acceptable salts]

Claim 2 (2x amended). A [C] compound of formula I [as claimed in] according to claim 1 in which R_1 is [selected from the group consisting of straight or] branched chain alkyl [groups containing 1 to] of up to 4 carbon atoms, cycloalkyl groups containing 3 to 7 carbon atoms, cycloalkylmethyl groups in which the cycloalkyl ring contains 3 to 6 carbon atoms [and] or a group[s] of the formula II:



in which R_9 and R_{10} are selected from the group consisting of H, fluoro [or] and methoxy and [in which] R_2 is H or methyl.

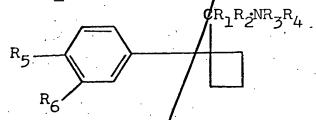
Claim 3 (2x amended). A [C]compuond of formula I [as claimed in] according to claim 2 in which R₁ is [selected from the group consisting of propyl,] isopropyl, [butyl,] isobutyl, secondary butyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cycloheptyl, cyclopropylmethyl, cyclobutyl, cyclobutylmethyl, cyclopentylmethyl, cyclohexylmethyl and phenyl, R₃ and R₄ are selected from the group consisting of H, methyl, ethyl and formyl, or R₃ and R₄ together with the nitrogen atom to which they are attached form a heterocyclic ring containing one nitrogen atom and 4 or 5 carbon atoms which is optionally substituted by one or more alkyl groups or R₃ and R₄ together with the nitrogen atom to which they are attached form a heterocyclic ring containing a second nitrogen atom which is optionally alkylated or a heterocyclic ring including one or more double bonds and R₅ and R₆ are selected from

the group consisting of H, fluoro, chloro, bromo, iodo, trifluoromethyl, methoxy and phenyl or R_5 and R_6 together with the carbon atoms to which they are attached form a second benzene ring optionally substituted by halo.

Kindly cancel claims 4-6.

Claim 7 (2x amended). A [k] compound according to claim 1

of the formula III:



III

or a pharmaceutically acceptable salt thereof in which R₁ is selected from the group consisting of straight or] branched chain alkyl [groups containing 3 to] of up to 6 carbon atoms, cycloalkyl groups containing 3 to 7 carbon atoms, cycloalkylalkyl groups in which the cycloalkyl group contains 3 to 6 carbon atoms and the alkyl group contains 1 to 3 carbon atoms, alkenyl groups containing 2 to 6 carbon atoms, alkynyl groups containing 2 to 6 carbon atoms and groups of formula II:

R₁₀

II

in which R_9 and R_{10} , which re the same or different are selected from the group consisting of H, halo and alkoxy groups containing 1 to 3 carbon atoms; in which R_2 is selected from the group consisting of H and alkyl groups containing 1 to 3 carbon atoms;

in which R_3 and R_{μ} , which are the same or different are selected from the group consisting of H, straight or branched chain alkyl groups containing 1 to 4 carbon atoms, alkenyl groups having 3 to 6 carbon atoms, alkynyl groups having 3 to 6 carbon atoms, cycloalkyl groups in which the ring contains 3 to 7 carbon atoms, and a group of formula CHO or R_3 and R_4 together with the nitrogen atom form an optionally substituted heterocyclic ring having 5 or 6 atoms in the ring optionally containing further heteroatoms in addition to the nitrogen atom; in which R_5 and R_6 , which are the same or different are selected from the group consisting of H, halo, trifluoromethyl, alkyl groups containing 1 to 3 carbon atoms, alkoxy groups containing 1 to 3 carbon atoms, alkylthio groups containing 1 to 3 darbon atoms and phenyl or R_5 and R_6 , together with the carbon atoms to which they are attached, form a second benzene ring optionally substituted by at least one halo, alkyl or alkoxy group containing 1 to 4 carbon atoms or the substituents of the second benzene ring together with the two carbon atoms to which they are attached form a further benzene ring[; and their pharmaceutically acceptable salts].

Claim 8 (2x amended). A [C]compound [of formula III as claimed in] according to claim 7 in which R_1 is [selected from the group consisting of straight or] branched chain alkyl [groups containing 3 to] of up to 4 carbon atoms, cycloalkyl groups containing 3 to 7 carbon atoms, cycloalkylmethyl groups in which the cycloalkyl ring contains 3 to 6 carbon atoms [and] or a group[s] of the formula II:

 R_{10}

II

in which R_9 and R_{10} are selected from the group consisting of H, fluoro [or] and methoxy and [in which] R_2 is H or methyl.

Claim 9 (2x amended) $\frac{A}{L}$ [C] compound [of formula III as claimed in] according to claim / in which R1 is [selected from the group consisting of propyl, isopropyl, [butyl,] isobutyl, secondary butyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cycloheptyl, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl, cyclohexylmethyl and phenyl, R_3 and R_4 are selected from the group consisting of H, methyl, ethyl and formyl, or R3 and R4 together with the nitrogen atom to which they are attached form a heterocyclid ring containing one nitrogen atom and 4 or 5 carbon atoms which is optionally substituted by one or more alkyl groups or R₃ and R₄ together with the nitrogen atom to which they are attached form a heterocyclic ring containing a second nitrogen atom which is optionally alkylated or a heterocyclic ring including one or more double bonds and R_5 and R_6 are selected from the group consisting of H, fluoro, chloro, bromo, iodo, trifluoromethyl, methyl, methoxy and phenyl or R5 and R6 together with the carbon atoms to which they are attached form a second benzene ring optionally substituted by halo.

Kindly cancel claims 10-12.

Claim 13 (2x amended) $\sqrt{\underline{A}}$ [C] compound according to claim

 $\underline{1}$ of the formula IV: R_{i}

CR₁R₂·NR₃R₄

IV

R₆

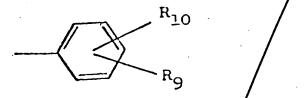
or a pharmaceutically acceptable salt thereof in which R, is

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[selected from the group consisting of straight or] branched chain alkyl [groups containing 3 to] of up to 6 carbon atoms, cycloalkyl groups containing 3 to 7 carbon atoms, cycloalkylalkyl groups in which the cycloalkyl group contains 3 to 6 carbon atoms and the alkyl group contains 1 to 3 carbon atoms, alkenyl groups containing 2 to 6 carbon atoms, alkynyl groups containing 2 to 6 carbon atoms and groups of formula II:

II:



in which R_{q} and R_{10} , which are the same or different are selected from the group consisting of H, halo/and alkoxy groups containing 1 to 3 carbon atoms; in which R_2 is selected from the group consisting of H and alkyl groups ontaining 1 to 3 carbon atoms; in which R_3 and R_h , which are the same or different are selected from the group consisting of H,/straight or branched chain alkyl groups containing 1 to 4 carb ϕ n atoms, alkenyl groups having 3 to 6 carbon atoms, alkynyl gr ϕ ups having 3 to 6 carbon atoms, cycloalkyl groups in which t he ring contains 3 to 7 carbon atoms, and a group of formula CHO pr R_3 and R_4 together with the nitrogen atom form an optionally substituted heterocyclic ring having 5 or 6 atoms in the ring opt fonally containing further heteroatoms in addition to the nitrogen atom; in which R_5 [and R_6 , which are the same or different are selected from the group consisting of] is H, halo, trifluoromethyl, alkyl groups containing 1 to 3 carbon atoms, alkoxy groups/containing 1 to 3 carbon atoms, alkylthio groups containing \int to 3 carbon atoms [and] or phenyl [or R_5 and

 R_6 , together with the carbon atoms to which they are attached, form a second benzene ring optionally substituted by at least one halo, alkyl or alkoxy group containing 1 to 4 carbon atoms or the substituents of the second benzene ring together with the two carbon atoms to which they are attached form a further benzene ring; and their pharmaceutically acceptable salts] and R_6 is fluoro or methyl.

Kindly cancel claim 14.

Claim 15 (2x amended). A [C] compound [of formula IV as claimed in] according to claim 13 in which R_1 is [selected from the group consisting of propyl,] isopropyl, [butyl,] isobutyl, secondary butyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cycloheptyl, cyclopropylmethyl, cyclobutylmethyl, cyclobutylmethyl, cyclopentylmethyl, cyclohexylmethyl [and phenyl] or a group of the formula II:

 $R_{\underline{10}}$ $R_{\underline{9}}$ $R_{\underline{10}}$

in which R_9 and R_{10} are selected from the group consisting of H, fluoro and methoxy, R_2 is H or methyl, R_3 and R_4 are selected from the group consisting of H, methyl, ethyl and formyl, or R_3 and R_4 together with the nitrogen atom to which they are attached form a heterocyclic ring containing one nitrogen atom and 4 or 5 carbon atoms which is optionally substituted by one or more alkyl groups or R_3 and R_4 together with the nitrogen atom to which they are attached form a heterocyclic ring containing a second nitrogen

atom which is optionally alkylated or a heterocyclic ring including one or more double bonds, R₅ is H, fluoro, chloro, bromo, iodo, trifluoromethyl, methyl, methoxy or phenyl and R₆ is fluoro or methyl.

Kindly cancel claims 16-to-24?

formula III:

 $\begin{array}{c|c}
 & CR_1R_2NR_3R_4 \\
\hline
 & R_5 \\
\hline
 & R_6
\end{array}$ III

or a pharmaceutically acceptable salt thereof in which R_1 is [selected from the group consisting of propyl,] isobutyl [and] or thenyl; R_2 is H; R_3 is H, methyl or ethyl; R_4 is H, methyl or ethyl; R_5 is chloro; and R_6 is H or chloro[and their pharmaceutically acceptable salts].

Claim 43 (2x amended). A [c]Compound of claim 42 which is 1-[1-(4-chlorophenyl)cyclobutyl] butylamine [and its] or a pharmaceutically acceptable salt[s] thereof.

Claim 44 (2x amended). A [c]Compound of claim 42 which is N,N-dimethyl-1-[1-(4-chlorophenyl)cyclobutyl]- butylamine [and its] or a pharmaceutically acceptable salt[s] thereof.

Claim 45 (2x amended). $\underline{\underline{A}}$ [c] $\underline{\underline{C}}$ ompound of claim 42 which is $\underline{\underline{N}}$ -methyl-1-[1-(4-dichloropheny) eyclobutyl]- butylamine [and its] or a pharmaceutically acceptable salt[s] thereof.

Claim 46 (2x amended). A [c]Compound of claim 42 which is N,N-dimethyl-1-[1-(3,4-dichlorophenyl) cyclobutyl]- butylamine [and its] or a pharmaceutically acceptable salt[s] thereof.

Claim 47 (2x amended). A [c]Compound of claim 42 which is N-methyl-1-[1-(4-chlorophenylcyclobutyl]-3-methyl- butylamine [and its] or a pharmaceutically acceptable salt[s] thereof.

Claim 1/8 (2x amended). A [c]Compound of claim 1/2 which is N, N-dimethyl-1-[1-(4-chlorophenyl)cyclobutyl]-3-methylbutylamine [and its] or a pharmaceutically acceptable salt[s] thereof.

Claim 49 (2x amended). A [c]Compound of claim 42 which is N, N-dimethyl-1-[1-(3,4-dichlorophenyl)cyclobutyl]-3-methylbutylamine [and its] or a pharmaceutically acceptable salt[s] thereof.

Claim 52^3 (2x amended). A [c]Compound of claim 42^2 which is α -[1-(4-chlorophenyl)cyclobutyl]benzylamine [and its] or a pharmaceutically acceptable salt[s] thereof.

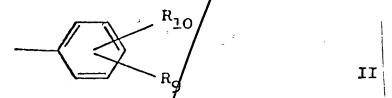
Kindly add new claims 53-82.

Claim 53. A pharmaceutical composition useful for treating depression in humans which comprises an anti-depressantly effective amount of a compound of the formula I:

CR₁R₂NR₃R₄

or a pharmaceutically acceptable salt thereof in which R_1 is branched chain alkyl of up to 6 carbon atoms, cycloalkyl groups containing 3 to 7 carbon atoms, cycloalkylalkyl groups in which the cycloalkyl group contains 3 to 6 carbon atoms and the alkyl group contains 1 to 3 carbon atoms, alkenyl groups containing 2 to

6 carbon atoms, alkynyl groups containing 2 to 6 carbon atoms and groups of formula II:



in which R_9 and R_{10} , which re the same or different are selected from the group consisting of H, Halo and alkoxy groups containing 1 to 3 carbon atoms; in which R_2 is selected from the group consisting of H and alkyl group's containing 1 to 3 carbon atoms; in which R_3 and R_4 , which and the same or different are selected from the group consisting of H, straight or branched chain alkyl groups containing 1 to 4 carbon atoms, alkenyl groups having 3 to 6 carbon atoms, alkynyl groups having 3 to 6 carbon atoms, cycloalkyl groups in which the ring contains 3 to 7 carbon atoms, and a group of formula CH ϕ or R $_{_{
m Q}}$ and R $_{_{
m H}}$ together with the nitrogen atom form an optionally ϕ ubstituted heterocyclic ring having 5 or 6 atoms in the ring op/tionally containing further heteroatoms in addition to the nitrogen atom; in which R₅ and R₆, which are the same or different ard selected from the group consisting of H, halo, trifluoromethy1, alkyl groups containing 1 to 3 carbon atoms, alkoxy group's containing 1 to 3 carbon atoms, alkylthio groups containing 1/to 3 carbon atoms and phenyl or R_5 and R_6 , together with the darbon attoms to which they are attached, form a second benzene ring optionally substituted by at least one halo, alkyl or alkoxy group containing 1 to 4 carbon atoms or the substituents of the second benzene ring together with the two carbon atoms to/which they are attached form a further benzene

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Claim 54. A composition according to claim 53 in which R₁ is branched chain alkyl of up to 4 carbon atoms, cycloalkyl groups containing 3 to 7 carbon atoms, cycloalkylmethyl groups in which the cycloalkyl ring contains 3 to 6 carbon atoms or a group of the formula II:

$$R_{10}$$
 R_{9}

in which R_9 and R_{10} are selected from the group consisting of H, fluoro and methoxy and R_2 is H or methyl.

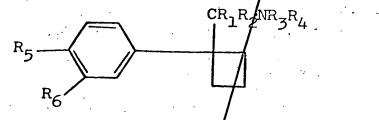
Claim 55 . A composition according to claim 54 in which R_1 is isopropyl, isobuty 1/2, secondary butyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cycloheptyl, cyclopropylmethyl, cyc/obutylmethyl, cyclopentylmethyl, cyclohexylmethyl and pheny/, R₃ and R₁₁ are selected from the group consisting of H, methyl, thyl and formyl, or R $_3$ and R $_4$ together with the nitrogen at ϕ m to which they are attached form a heterocyclic ring containing one nitrogen atom and 4 or 5 carbon atoms which is optionally substituted by one or more alkyl groups or R_{3} and R_{4} together/with the nitrogen atom to which they are attached form a heterocyclic ring containing a second nitrogen atom which is optionally alkylated or a heterocyclic ring including one or more double bonds and $\rm R_5$ and $\rm R_6$ are selected from the group consisting of H, fluoro, chloro, bromo, iodo, trifluoromethyl, methyl, methoxy and phenyl or R_5 and R_6 together with the carbon atoms to which they are attached form a second

bengene ring optionally substituted by/halo.

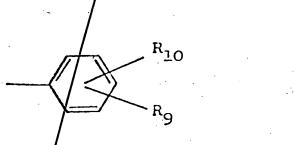
Claim 56. A composition according to claim 53 wherein the compound is of the formula III:

III

II



or a pharmaceutically acceptable salt thereof in which R₁ is branched chain alkyl of up to 6 carbon atoms, cycloalkyl groups containing 3 to 7 carbon atoms, cycloalkylalkyl groups in which the cycloalkyl group contains 3 to 6 carbon atoms and the alkyl group contains 1 to 3 carbon atoms, alkenyl groups containing 2 to 6 carbon atoms, alkynyl groups containing 2 to 6 carbon atoms and groups of formula II:

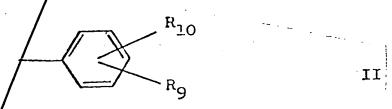


in which R_9 and R_{10} , which re the same or different are selected from the group consisting of H, halo and alkoxy groups containing 1 to 3 carbon atoms; in which R_2 is selected from the group consisting of H and alkyl groups containing 1 to 3 carbon atoms; in which R_3 and R_4 , which are the same or different are selected from the group consisting of H, straight or branched chain alkyl groups containing 1 to 4 carbon atoms, alkenyl groups having 3 to 6 carbon atoms, alkynyl groups having 3 to 6 carbon atoms, cycloalkyl groups in which the ring contains 3 to 7 carbon atoms,

atom form an optionally substituted heterocyclic ring having 5 or 6 atoms in the ring optionally containing further heteroatoms in addition to the nitrogen atom; in which R_5 and R_6 , which are the same or different are selected from the group consisting of H, halo, trifluoromethyl, alkyl groups containing 1 to 3 carbon atoms, alkoxy groups containing 1 to 3 carbon atoms, alkylthio groups containing 1 to 3 carbon atoms and phenyl or R_5 and R_6 , together with the carbon atoms to which they are attached, form a second benzene ring optionally substituted by at least one halo, alkyl or alkoxy group containing 1 to 4 carbon atoms or the substituents of the second benzene ring together with the two carbon atoms to which they are attached form a further benzene ring.

and a group of formula CHO or R_3 and R_4 together with the nitrogen

Claim 57. A composition according to claim 56 in which R_1 is branched chain alkyl of up to 4 carbon atoms, cycloalkyl groups containing 3 to 7 carbon atoms, cycloalkylmethyl groups in which the cycloalkyl ring contains 3 to 6 carbon atoms or a group of the formula II:

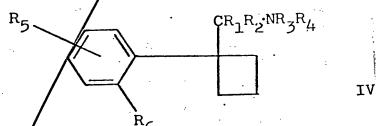


in which R_9 and R_{10} are selected from the group consisting of H, fluoro and methoxy and R_2 is H or methyl.

Claim 58. A composition according to claim 56 in which R_1 is isopropyl, isobutyl, secondary butyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cyclohexyl,

cyclopropylmethyl, cyclobutylmethyl, cyclopen ylmethyl, cyclohexylmethyl and phenyl, R_3 and R_4 are selected from the group consisting of H, methyl, ethyl and formyl, or R, and R_4 together with the nitrogen atom to which they are attached form a heterocyclic ring containing one nitrogen atom and 4 or 5 carbon atoms which is optionally substituted by one or more alkyl groups or R_3 and R_4 together with the nitrogen atom to which they are attached form a heterocyclic ring containing a second nitrogen atom which is optionally alkylated or a heterocyclic ring including one or more double bonds and R_5 and R_6 are selected from the group consisting of H, fluoro, chloro, bromo, iodo, trifluoromethyl, methyl, methoxy and phenyl or R_5 and R_6 together with the carbon atoms to which they are attached form a second benzene ring optionally substituted by halo.

Claim 59. A composition according to claim 53 wherein the compound of the formula IV:



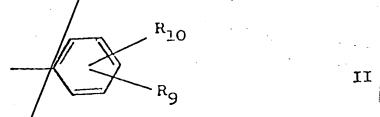
or a pharmaceutically acceptable salt thereof in which R_1 is branched chain alkyl of up to 6 carbon atoms, cycloalkyl groups containing 3 to 7 carbon atoms, cycloalkylalkyl groups in which the cycloalkyl group contains 3 to 6 carbon atoms and the alkyl group contains 1 to 3 carbon atoms, alkenyl groups containing 2 to 6 carbon atoms, alkynyl groups containing 2 to 6 carbon atoms and groups of formula II:

R₂₀

II

in which Ro and Rio, which are the same or different are selected from the group consisting of H, halo and alkoxy group's containing 1 to 3 carbon atoms; in which R₂ is selected from the group consisting of H and alkyl groups containing 1 to/3 carbon atoms; in which R₃ and R_h, which are the same or different are selected from the group consisting of H, straight or byanched chain alkyl groups containing 1 to 4 carbon atoms, alkenyl groups having 3 to 6 carbon atoms, alkynyl groups having β to 6 carbon atoms, cycloalkyl groups in which the ring contains 3 to 7 carbon atoms, and a group of formula CHO or R_3 and R_{11} /together with the nitrogen atom form an optionally substituted heterocyclic ring having 5 or 6 atoms in the ring optionally containing further heteroatoms in addition to the nitrogen atom, in which R5 is H, halo, trifluoromethyl, alkyl groups containing 1 to 3 carbon atoms, alkoxy groups containing 1 to /3 carbon atoms, alkylthio groups containing 1 to 3 carbon atoms or phenyl and R_6 is fluoro or methyl.

Claim 60 . A composition according to claim 59 in which R_1 is isopropyl, isobutyl, secondary butyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cyclohexyl, cyclohexyl, cyclohexylmethyl, cyclohexylmethyl, cyclohexylmethyl, cyclohexylmethyl or a group of the formula II:



in which R_q and R_{10} are selected from the group consisting of H,

fluoro and methoxy, R_2 is H or methyl, R_3 and R_4 are selected from the group consisting of H, methyl, ethyl and formyl or R_3 and R_4 together with the nitrogen atom to which they are attached form a heterocyclic ring containing one nitrogen atom and 4 or 5 carbon atoms which is optionally substituted by one or more alkyl groups or R_3 and R_4 together with the nitrogen atom to which they are attached form a heterocyclic ring containing a second nitrogen atom which is optionally alkylated or a heterocyclic ring including one or more double bonds, R_5 is H, fluoro, chloro, bromo, iodo, trifluoromethyl, methyl, methoxy or phenyl and R_6 is fluoro or methyl.

Claim 67. A composition according to claim 53 wherein the compound is of the formula III:

R₅ R₆ CR₁R₂NR₃R₄

or a pharmaceutically acceptable salt thereof in which R_1 is isobutyl or phenyl; R_2 is H; R_3 is H, methyl or ethyl; R_4 is H, methyl or ethyl; R_5 is chloro; and R_6 is H or chloro.

III

Claim 62. A composition according to claim 61 wherein the compound is 1-[1-(4 chlorophenyl) cyclobutyl] butylamine or a pharmaceutically acceptable salt thereof.

Claim 63 . A composition according to claim 61 wherein the compound is $\underline{N}, \underline{N}$ -dimethyl-1-[1-(1-chlorophenyl)cyclobutyl]-butylamine or a pharmaceutically acceptable salt thereof.

Claim 64 . A composition according to claim 61 wherein the compound is N-methyl-1-[1-(4-dichlorophenyl)cyclobutyl]-

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butylamine or a pharmaceutically acceptable salt thereof.

Claim 65 . A composition coording to claim 61 wherein the compound is N,N-dimethyl-1-[1-(3,4-dichlorophenyl)cyclobutyl]-butylamine or a pharmaceutically acceptable salt thereof.

Claim 66 . A composition according to claim 81 wherein the compound is N-methyl-1-[1-(4-chlorophenylcyclobutyl]-3-methyl-butylamine or a pharmaceutically acceptable salt thereof.

Claim 67. A composition according to claim 67 wherein the compound is N,N-dimethyl-1-[1-(4-chlorophenyl)cyclobutyl]-3-) methylbutylamine or a pharmaceutically acceptable salt thereof.

Claim 68. A composition according to claim 61 wherein the compound is N,N-dimethyl-1-[1-(3,4-dichlorophenyl)cyclobutyl]-3-methylbutylamine or a pharmaceutically acceptable salt thereof.

Claim 69 . A composition according to claim 61 wherein the compound is α -[1-(4-chlorephenyl)cyclobutyl]benzylamine or a pharmaceutically acceptable salt thereof.

Claim 70. A method of treating depression in humans which comprises administering to a human in need thereof an anti-depressantly effective amount of a compound of the formula I:

R₅ CR₁R₂NR₃R₄

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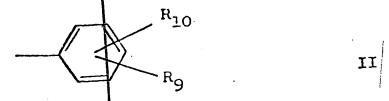
or a pharmaceutically acceptable salt thereof in which R_1 is branched chain alkyl of up to 6 carbon atoms, cycloalkyl groups containing 3 to 7 carbon atoms, cycloalkylalkyl groups in which the cycloalkyl group contains 3 to 6 carbon atoms and the alkyl

kyl group

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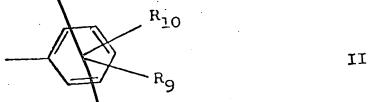
group contains 1 to 3 carbon atoms, alkenyl groups containing 2 to 6 carbon atoms, alkynyl groups containing 2 to 6 carbon atoms and groups of formula II:



in which R_q and R_{10} , which re the same or different are selected from the group consisting of H, halo and alkoxy groups containing 1 to 3 carbon atoms; in which R_2 is selected from the group consisting of H and alkyl groups containing 1 to 3 carbon atoms; in which R_3 and R_4 , which are the same or different are selected from the group consisting of H, straight or branched chain alkyl groups containing 1 to 4 carbon atoms, alkenyl groups having 3 to 6 carbon atoms, alkynyl groups having 3 to 6 carbon atoms, cycloalkyl groups in which the ring contains 3 to 7 carbon atoms, and a group of formula $CH\phi$ or R_3 and R_4 together with the nitrogen atom form an optionally substituted heterocyclic ring having 5 or 6 atoms in the ring optionally containing further heteroatoms in addition to the nitrogen atom; in which R_5 and R_6 , which are the same or different are selected from the group consisting of H, halo, trifluoromethyl, alkyl groups containing 1 to 3 carbon atoms, alkoxy groups containing 1 to 3 carbon atoms, alkylthio groups containing 1 to 3 carbon atoms and phenyl or R_5 and R_6 , together with the carbon atoms to which they are attached, form a second benzene ring optionally substituted by at least one halo, alkyl or alkoxy group containing 1 to 4 carbon atoms or the substituents of the second benzene ring together with the two

carbon atoms to which they are attached form a further benzene ring, in combination with a pharmaceutically acceptable carrier.

Claim 71 . A method according to claim 70 in which R_1 is branched chain alkyl of up to 4 carbon atoms, cycloalkyl groups containing 3 to 7 carbon atoms, cycloalkylmethyl groups in which the cycloalkyl ring contains 3 to 6 carbon atoms or a group of the formula II:

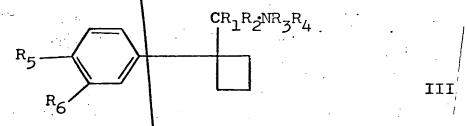


in which R_9 and R_{10} are selected from the group consisting of H, fluoro and methoxy and R_2 is H or methyl.

Claim 72 . A method according to claim 71 in which R_1 is isopropyl, isobutyl, secondary butyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cyclohexyl, cyclopentyl, cyclohexyl, cyclohexylmethyl, cyclobutylmethyl, cyclopentylmethyl, cyclohexylmethyl and phenyl, R_3 and R_4 are selected from the group consisting of H, methyl, ethyl and formyl, or R_3 and R_4 together with the nitrogen atom to which they are attached form a heterocyclic ring containing one nitrogen atom and 4 or 5 carbon atoms which is optionally substituted by one or more alkyl groups or R_3 and R_4 together with the nitrogen atom to which they are attached form a heterocyclic ring containing a second nitrogen atom which is optionally alkylated or a heterocyclic ring including one or more double bonds and R_5 and R_6 are selected from the group consisting of H, fluoro, chloro, bromo, iodo, trifluoromethyl, methyl, methoxy and phenyl or R_5 and R_6 together with the carbon atoms to which they

are attached form a second benzene ring optionally substituted by halo.

Claim 73. A method according to claim 70 wherein the compound is of the formula III:



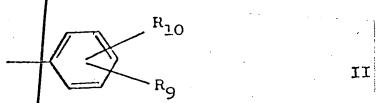
or a pharmaceutically acceptable salt thereof in which R_1 is branched chain alkyl of up to 6 carbon atoms, cycloalkyl groups containing 3 to 7 carbon atoms, cycloalkylalkyl groups in which the cycloalkyl group contains 3 to 6 carbon atoms and the alkyl group contains 1 to 3 carbon atoms, alkenyl groups containing 2 to 6 carbon atoms, alkynyl groups containing 2 to 6 carbon atoms and groups of formula II:

R₁₀

in which R_9 and R_{10} , which returns the same or different are selected from the group consisting of H, halo and alkoxy groups containing 1 to 3 carbon atoms; in which R_2 is selected from the group consisting of H and alkyl groups containing 1 to 3 carbon atoms; in which R_3 and R_4 , which are the same or different are selected from the group consisting of H, straight or branched chain alkyl groups containing 1 to 4 carbon atoms, alkenyl groups having 3 to 6 carbon atoms,

eycloalkyl groups in which the ring contains 3 to 7 carbon atoms, and a group of formula CHO or R_3 and R_4 together with the nitrogen atom form an optionally substituted heterocyclic ring having 5 or 6 atoms in the ring optionally containing further heteroatoms in addition to the nitrogen atom in which R_5 and R_6 , which are the same or different are selected from the group consisting of H, halo, trifluoromethyl, alkyl groups containing 1 to 3 carbon atoms, alkoxy groups containing 1 to 3 carbon atoms, alkylthic groups containing 1 to 3 carbon atoms and phenyl or R_5 and R_6 , together with the carbon atoms to which they are attached, form a second benzene ring optionally substituted by at least one halo, alkyl or alkoxy group containing 1 to 4 carbon atoms or the substituents of the second benzene ring together with the two carbon atoms to which they are attached form a further benzene ring.

Claim 74. A method according to claim 73 in which R_1 is branched chain alkyl of up to 4 carbon atoms, cycloalkyl groups containing 3 to 7 carbon atoms, cycloalkylmethyl groups in which the cycloalkyl ring contains 3 to 6 carbon atoms or a group of the formula II:



in which R_9 and R_{10} are selected from the group consisting of H, fluoro and methoxy and R_2 is H or methyl.

Claim 75 . A method according to claim 73 in which R_1 is isopropyl, isobutyl, secondary butyl, cyclopropyl, cyclobutyl,

cyclopentyl, cyclohexyl, cycloheptyl, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl, cyclohexy/lmethyl and phenyl, R₃ and R₄ are selected from the group consisting of H, methyl, ethyl and formyl, or R_3 and R_4 together with the nitrogen atom to which they are attached form a heterocydlic ring containing one nitrogen atom and 4 or 5 carbon atom/s which is optionally substituted by one or more alkyl groups ϕ r R₃ and R₁₁ together with the nitrogen atom to which they are aftached form a heterocyclic ring containing a second nitrogen atom which is optionally alkylated or a heterocyclic ring including one or more double bonds and R_5 and R_6 are selected from the group consisting of H, fluoro, chloro, bromo, iodo, triflu ϕ romethyl, methyl, methoxy and phenyl or R_5 and R_6 together with the carbon atoms to which they are attached form a second benzene ring optionally substituted by halo.

Claim 76. A method according to claim 73 wherein the compound is of the formula IV:

or a pharmaceutically acceptable salt thereof in which R, is branched chain alkyl of p to 6 carbon atoms, cycloalkyl groups containing 3 to 7 carbon atoms, cycloalkylalkyl groups in which the cycloalkyl group contains 3 to 6 carbon atoms and the alkyl group contains 1 to 3 carbon atoms, alkenyl groups containing 2 to 6 carbon atoms, alkynyl groups containing 2 to 6 carbon atoms and

groups of formula II:

II

IV

in which Ro and Rio, which are the same or hifferent are selected from the group consisting of H, halo and alkoxy groups containing 1 to 3 carbon atoms; in which R2 is selected from the group consisting of H and alkyl groups containing 1 to 3 carbon atoms; in which R_3 and R_4 , which are the same or different are selected from the group consisting of H, straight or branched chain alkyl groups containing 1 to 4 carbon atoms / alkenyl groups having 3 to 6 carbon atoms, alkynyl groups having 3 to 6 carbon atoms, cycloalkyl groups in which the ring contains 3 to 7 carbon atoms, and a group of formula CHO or ${\rm R}_{3}$ and ${\rm R}_{4}$ together with the nitrogen atom form an optionally substituted heterocyclic ring having 5 or 6 atoms in the ring optionally containing further heteroatoms in addition to the nitrogen at ϕ m; in which R_5 is H, halo, trifluoromethyl, alkyl groups/containing 1 to 3 carbon atoms, alkoxy groups containing 1 to 3 carbon atoms, alkylthio groups containing 1 to 3 carbon atoms or phenyl and R_6 is fluoro or methyl.

Claim 77. A method according to claim 76 in which R_1 is isopropyl, isobutyl, secondary butyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cyclohexyl, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl, cyclohexylmethyl or a group of the formula II:

 R_{10} R_{9}

in which R_9 and R_{10} are selected from the group consisting of H,

fluoro and method, R_2 is H or methyl, R_3 and R_4 are selected from the group consisting of H, methyl, ethyl and formyl, or R_3 and R_4 together with the nitrogen atom to which they are attached form a heterocyclic ring containing one nitrogen atom and 4 or 5 carbon atoms which is optionally substituted by one or more alkyl groups or R_3 and R_4 together with the nitrogen atom to which they are attached form a heterocyclic ring containing a second nitrogen atom which is optionally alkylated or a heterocyclic ring including one or more double bonds, R_5 is H, fluoro, chloro, bromo, iodo, trifluoromethyl, methyl, methoxy or phenyl and R_6 is

fluoro or methyl.

Claim 78. A method according to claim 73 wherein the compound is of the formula III:

 R_5 R_5 R_6 R_5 R_6 R_6 R_6 R_6 R_6 R_6 R_6

III

or a pharmaceutically acceptable salt thereof in which R_1 is isobutyl or phenyl; R_2 is H; R_3 is H, methyl or ethyl; R_4 is H, methyl or ethyl; R_5 is chloro; and R_6 is H or chloro.

Claim 79. A method according to claim 78 wherein the compound is 1-[1-(4-chlorophenyl)cyclobutyl]butylamine or a pharmaceutically acceptable salt thereof.

Claim 80. A method according to claim 78 wherein the compound is $\underline{N}, \underline{N}$ -dimethyl-1-[1-(4-chlorophenyl)cyclobutyl]-butylamine or a pharmaceutically acceptable salt thereof.

Claim 81. A method according to claim 78 wherein the compound is \underline{N} -methyl-1-[1-(4-dichlorophenyl)cyclobutyl]-

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